

High Throughput Screening (HTS) assays

Abstract

- 5 The present invention is to provide a method to perform assays that efficiently and accurately can screen large numbers of cell populations producing variants of a molecule of interest.

The present invention relates more specifically to a method for screening a library of protein variants for functional variants with reduced antibody binding capacity, comprising the steps
10 of:

- (i) generating a diversified library of protein variants starting from a relevant protein backbone,
- 15 (ii) transforming the library into suitable host cells,
- (iii) culturing host cells,
- (iv) sampling each cell culture,
- 20 (v) analysing a sample by determining the antibody binding capacity of the variant protein,
- (vi) analysing a sample by determining the functionality
of the variant protein.

25